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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/540,456	06/22/2005	Frans Eduard Janssens	JAB 17341-PCT-USA	1422	
4551.1 7590 03/18/2008 WOODCOCK WASHBURN LLP			EXAMINER		
CIRA CENTRE, 12TH FLOOR			COLEMAN, BRENDA LIBBY		
2929 ARCH S PHILADELPI	TREET IIA, PA 19104-2891		ART UNIT	PAPER NUMBER	
,			1624		
			NOTIFICATION DATE	DELIVERY MODE	
			03/18/2008	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@woodcock.com

Application No. Applicant(s) 10/540,456 JANSSENS ET AL.

Office Action Summary		Examiner	Art Unit					
		Brenda L. Coleman	1624					
The MAILING DATE of this communication app				ddress				
Period fo		ears on the cover sheet with the c	orrespondence at	101633				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY. CHEVER IS LONGER, FROM THE MAILING D/ missions of time may be available under the provisions of 37 CFR 1.12 SIX (6) MCNTHS from the mailing date of this communication. OF the communication of the commu	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).	•				
Status								
1)	Responsive to communication(s) filed on							
2a)□	This action is FINAL. 2b) This action is non-final.							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠	Claim(s) 1-8 and 10-18 is/are pending in the ap	oplication.						
-,-	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) 1-8 and 10-18 is/are rejected.							
7)	Claim(s) is/are objected to.							
8)[Claim(s) are subject to restriction and/or	r election requirement.						
Applicat	ion Papers							
9)□	The specification is objected to by the Examine	r.						
	The drawing(s) filed on is/are: a) acce		Examiner.					
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	9 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is ob	jected to. See 37 C	FR 1.121(d).				
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	TO-152.				
Priority	under 35 U.S.C. § 119							
12)🔯	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).					
a)	All b) Some * c) None of:							
	1.☐ Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the prior	ity documents have been receive	ed in this National	Stage				
	application from the International Bureau	ı (PCT Rule 17.2(a)).						
* :	See the attached detailed Office action for a list	of the certified copies not receive	ed.					
Attachmer		_						
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	Interview Summary Paper No(s)/Mail Da						
	mation Disclosure Statement(s) (FTO/S5/08)	5) Notice of Informal F	atent Application					

Attachment(s)		
1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patient Drawing Review (PTO-948) Notice of Draftsperson's Patient Drawing Review (PTO-948) Notice of Draftsperson's Patient Drawing Review (PTO-948) Paper No(s)/Mail Date 6/13/2007.	4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application 6) Other:	
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DETAILED ACTION

Claims 1-8 and 10-18 are pending in the application.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make, and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

1. Claims 11 and 12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention commensurate in scope with these claims. The scope of the method claims are not adequately enabled solely based on its inhibitory effect on the tachykinin provided in the specification.

In evaluating the enablement question, several factors are to be considered. In re Wands, 8 USPQ2d 1400 (Fed. Cir. 1988); Ex parte Forman, 230 USPQ 546. The factors include: 1) The nature of the invention, 2) the state of the prior art, 3) the predictability or lack thereof in the art, 4) the amount of direction or guidance present, 5) the presence or absence of working examples, 6) the breadth of the claims, and 7) the quantity of experimentation needed.

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The nature of the instant invention has claims, which embrace substituted azepine compounds.

HOW TO USE: Claims 11 and 12 are to a method for treating any and all diseases and/or conditions associated tachykinin. Any evidence presented must be commensurate in scope with the claims and must clearly demonstrate the effectiveness of the claimed compounds. The scope of claims 11 and 12 includes diseases and/or conditions not even known at this time, which may be associated with tachykinin. While the treatment of depression and anxiety have been linked with tachykinin inhibition the art does not recognize use of such inhibitors as broad based drugs for treating all disorders instantly embraced.

It is difficult to treat many of the disorders claimed herein. Instant claim language embraces disorders not only for treatment but the prophylaxis, which is not remotely enabled. It is presumed in the prophylaxis of the diseases and/or disorders claimed herein there is a way of identifying those people who may develop anxiety, depression, etc. There is no evidence of record, which would enable the skilled artisan in the identification of the people who have the potential of becoming afflicted with the disorders claimed herein.

Where the utility is unusual or difficult to treat or speculative, the examiner has authority to require evidence that tests relied upon are reasonably predictive of in vivo efficacy by those skilled in the art. See In re Ruskin, 148 USPQ 221; Ex parte Jovanovics, 211 USPQ 907; MPEP 2164.05(a).

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Patent Protection is granted in return for an enabling disclosure of an invention, not for vague intimations of general ideas that may or may not be workable. Tossing out the mere germ of an idea does not constitute enabling disclosure. Genentech Inc. v. Novo Nordisk 42 USPQ2d 1001.

2. Claims 1-8 and 10-18 are rejected under 35 U.S.C. 1 12, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is the Wands factors, which are used to evaluate the enablement question. In re Wands, 8 USPQ2d 1400 (Fed. Cir. 1988); Ex parte Forman, 230 USPQ 546. The factors include: 1) The nature of the invention, 2) the state of the prior art, 3) the predictability or lack thereof in the art, 4) the amount of direction or guidance present, 5) the presence or absence of working examples, 6) the breadth of the claims, and 7) the quantity of experimentation needed.

The nature of the invention in the instant case, has claims which embrace azepine compounds. The scope of "pro-drug" is not adequately enabled. Applicants provide no guidance as how the compounds are made more active in vivo. The choice of a "pro-drug" will vary from drug to drug. Therefore, more than minimal routine experimentation would be required to determine which pro-drugs will be suitable for the instant invention.

The instant compounds of formula (I) wherein the pro-drugs are not described in the disclosure in such a way the one of ordinary skill in the art would no how to prepare the various compounds suggested by claims 1-8 and 10-18. In view of the lack of

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direction provided in the specification regarding starting materials, the lack of working examples, and the general unpredictability of chemical reactions, it would take an undue amount of experimentation for one skilled in the art to make the claimed compounds and therefore practice the invention.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 3. Claims 1-8 and 10-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The following reasons apply:
 - a. Claim 1 and claims dependent thereon are vague and indefinite in that in
 that that a formula is not general when all of the variables are defined. Deletion
 of "general" is suggested
 - b. Claim 10 is a substantial duplicate of claim 1 as the only difference is a statement of intended use, which is not given material weight. Note In re Tuominen 213 USPQ 89.
 - c. Claim 11 is vague and indefinite in that the claim provides for the use of claimed compounds, but the claim does not set forth any steps involved in determining, which are the diseases capable of being mediated by tachykinin. Determining whether a given disease responds or does not respond to such an inhibitor will involve undue experimentation. Suppose that a given drug, which has inhibitor properties in vitro, when administered to a patient with a certain

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disease, does not produce a favorable response. One cannot conclude that specific disease does not fall within this claim. Keep in mind that:

A. It may be that the next patient will respond. No pharmaceutical has 100% efficacy. What success rate is required to conclude our drug is a treatment? Thus, how many patients need to be treated? If "successful treatment" is what is intended, what criterion is to be used? If one person in 10 responds to a given drug, does that mean that the disease is treatable? One in 100? 1,000? 10,000? Will the standard vary depending on the current therapy for the disease?

B. It may be that the wrong dosage or dosage regimen was employed. Drugs with similar chemical structures can have markedly different pharmacokinetics and metabolic fates. It is quite common for pharmaceuticals to work and or be safe at one dosage, but not at another that is significantly higher or lower. Furthermore, the dosage regimen may be vital --- should the drug be given e.g. once a day, or four times in divided dosages? The optimum route of administration cannot be predicted in advance. Should our drug be given as a bolus iv or in a time release po formulation. Thus, how many dosages and dosage regimens must be tried before one is certain that our drug is not a treatment for this specific disease?

C. It may be that our specific drug, while active in vitro, simply is not potent enough or produces such low concentrations in the blood that it is not an effective treatment of the specific disease. Perhaps a structurally related drug is

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potent enough or produces high enough blood concentrations to treat the disease in question, so that the first drug really does fall within the claim. Thus, how many different structurally related inhibitors must be tried before one concludes that a specific compound does not fall within the claim?

- D. Conversely, if the disease responds to our second drug but not to the first, both of which are inhibitors in vitro, can one really conclude that the disease falls within the claim? It may be that the first compound result is giving the accurate answer, and that the success of second compound arises from some other unknown property, which the second drug is capable. It is common for a drug, particularly in antidepressants, to work by many mechanisms. The history of psychopharmacology is filled with drugs, which were claimed to be a pure receptor XYX agonist or antagonist, but upon further experimentation shown to affect a variety of biological targets. In fact, the development of a drug for a specific disease and the determination of its biological site of action usually precede linking that site of action with the disease. Thus, when mixed results are obtained, how many more drugs need be tested?
- E. Suppose that our drug is an effective treatment of the disease of interest, but only when combined with some totally different drug. There are for example, agents in antiviral and anticancer chemotherapy, which are not themselves effective, but are effective treatments when the agents are combined with something else.

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Consequently, determining the true scope of the claim will involve extensive and potentially inconclusive research. Without it, one skilled in the art cannot determine the actual scope of the claim. Hence, the claim is indefinite.

- d. Regarding claim 12, the phrase "such as" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).
- e. Claims 15 and 16 are vague and indefinite in that it is not known what is meant by the period, which appears before the reaction scheme in each of the claims.
- f. Claims 15, 16 and 18 are vague and indefinite in that the claims do not end with a period.

Claim Objections

 Claim 17 is objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim must be stated in the alternative. See MPEP § 608.01(n).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda L. Coleman whose telephone number is 571-272-0665. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brenda L. Coleman/ Primary Examiner, Art Unit 1624